

## Stream Table- **Sloped/Flood Flow**

1. Create a plateau by moving the sediment (with the 90 degree piece) to the opposite side of the hole. The plateau should measure 12 centimeters in length.
2. Remove the tape
3. Set-up the stream table with the hole end hanging off of the table. Make sure the grey container is underneath the hole on the floor. Place the ruler on the plateau side of the stream table and place the **flood** hole container in the middle of the ruler with the hole in between the ruler and the edge of the stream table.
4. Place the 90 degree block underneath the stream table directly under the plateau to slope the stream table. Make sure the pointed end is facing up on the block.
5. Draw the '**before**' plateau in your binder
6. Pour the water in the container, one cup at a time.
7. **Write down your observations of what is occurring.**
8. When the water is done flowing, sketch the '**after**' picture.
9. Answer the following questions:
  - When the table was under flood conditions, name three things that you observed.
  - Compare the rate of erosion for the flat stream to the normal flow stream. Why was it different?
  - Compare the size of deposition for the flood stream to the normal flow stream. Why was it different?
  - What did you learn about floods through this model?